PTO/SB/08B (08-03)

		MR.							
-	for form 1449	1 -1.	SE .	Complete if Known					
INIEO	DRAKTI	ON BIRTH	LOSURE	Application Number	10/828,846				
				Filing Date	April 20, 2004				
STAT	EMEN	I BY API	PLICANT	First Named Inventor	Binder, Steven R.				
				Art Unit	1645- 1631				
(use as man	y sheets as ne	ecessary)	Examiner Name	whalay				
Sheet	3	of	5	Attorney Docket Number	02558B-063710US				

	U.S. PATENT DOCUMENTS+							
		Document Number						
Examiner Initials*	Cite No.	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
W	AA	US-6,024,705	02-15-2000	Schlager et al.				
1	AB	US 6,031,232	02-29-2000	Cohenford et al.				
	AC	US 5,674,688	10-07-1997	Kauvar et al.				
	AD	US-						

				FOREIGN PA	TENT DOCUME	INTS		
Examiner Initials*	Cite No.1	Foreign Patent Document				Name of Patentee or	Pages, Columns, Lines, Where Relevant	
		Country Code ³	Number ⁴	Kind Code ⁸ (# known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T°
pu	AE	PCT	WO 96/12187	A1	4-25-1996			
	AF							

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s publisher, city and/or country where published.		τ;
PU AG		ASSADI, A. "A basic introduction to pattern recognition," at < http://www.lcmg.wisc.edu/bioCVG/courses/math991-f2001/courseware/patternRecog_Intro_Reading.pdf > visited on September 24, 2002.	
		BEGLEY, R.J. et al. "Adding intelligence to medical devices," Medical Device & Diagnostic Industry March 2000, pp. 150-173.	
	AI	BOYD, J.C. et al. "Effect of atypical antibiotic resistance on microorganism identification by pattern recognition," J. of Clinical Microbiology December 1978, pp. 689-694, Vol. 8, No. 6.	
	AJ	CABELLO, D. et al. "Fuzzy K-nearest neighbor classifiers for ventricular armythmia detection," Int. J. Biomed. Comput. 1991, pp. 77-93, Vol. 27.	
	AK	CASTELLI, V. and BRODIE, M. "EE 6880 special topics in signal processing statistical pattern recognition," at <http: academics="" castelbrodiecourse="" description.pdf="" www.ee.columbia.edu="">> visited on September 24, 2002, 1 page total.</http:>	
	AL	DeJESUS, E.X. "Tech Update-Achieving expert ease: expert systems can speed work, answer questions and offer guidance in all areas of healthcare," Healthcare Informatics January 2000, pp. 55-60.	
	AM	ESSEX, D. "Artificial Intelligence-Long-awaitied technology eases into healthcare, may stimulate e-business," Healthcare Informatics February 2000, pp. 74-76.	
	AN	GLICKMAN, S.E. et al. Rapid identification of mycolic acid patterns of myobacteria by high-performance liquid chromatography using pattern recognition software and a mycobacterium library," J. of Clin. Microbiology March 1994, pp. 740-745, Vol. 32, No. 3.	
	AO	GRAFENSTEIN, H.V. "Phar 441 immunology: lecture 10-autoimmune diseases," Autoimmune diseases at http://www-fiseusc.edu/~grafen/teaching/lectures8.htm > visited on August 28, 2000, 9 pages total.	

Examiner Date 14/06 U Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 14498/PTO

INFORMATION DISC STATEMENT BY APPLICANT

Application Number 10/828,846 April 20, 2004 Filing Date First Named Inventor Binder, Steven R. Art Unit 1645-Examiner Name

Complete if Known

(use as many sheets as necessary)

5 Sheet of Attorney Docket Number 02558B-063710U\$

		NON PATENT LITERATURE DOCUMENTS	_				
		Cite (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s publisher, city and/or country where published.					
pu	AP	HUANG, H. and ANTONELLI, P. "Application of principal component analysis to high-resolution infrared measurement compression and retrieval," J. of Applied Mateorology March 2001, pp. 365-388, Vol. 40.					
1	AQ	VANDIC, M. et al. "The use of knowledge-based systems to improve medical knowledge about urine analysis," Clinica Chimica Acta 2000, pp. 251-260, Vol. 297.					
	AR	MELLORS, R.C. "Immunopathology," at <http: cumc_pathnotes="" edcenter.med.comell.edu="" immunopathology="" immunopathology.html="">> visited on September 28, 2000, 42 pages total.</http:>					
	AS	MOENS, H.J.B. and Van der KORST, J.K. "Computer-assisted diagnosis of rheumatic disorders," Seminars in Arthritis and Rheumatism December 1991, pp. 156-169, Vol. 21, No. 3.					
	AT	NIAID publications "Understanding autoimmune disease-how are autoimmune diseases treated?" at < <http: autoimmune="" publications="" treated.htm="" www.nlaid.nih.gov="">> visited on August 28, 2000, 2 pages total.</http:>					
	AU	NIAID publications "Understanding autoimmune disease-how are autoimmune diseases diagnosed?" at < <http: autoimmune="" diagnosed.htm="" publications="" www.niaid.nih.gov="">> visited on August 28, 2000, 1 page total.</http:>					
	AV	NIAID publications "Understanding autoimmune disease-how does the immune system work?" at < http://www.nlaid.nih.gov/publications/autoimmune/work.htm visited on August 28, 2000, 6 pages total.					
	AW	NIAID publications "Understanding autoimmune disease-what are autoimmune diseases?" at < <http: autoimmune="" publications="" what.htm="" www.niaid.nih.gov="">> visited on August 28, 2000, 1 page total.</http:>					
	AX	NIAID publications "Understanding autoimmune disease-what are some examples of autoimmune diseases?" at < http://www.niaid.nih.gov/publications/autoimmune/examples.htm > visited on August 28, 2000, 4 pages total.					
	AY	NIÁID publications "Understanding autoimmune disease-what are the causes of autoimmune diseases?" at < http://www.niaid.nih.gov/publications/autoimmune/causes.htm > visited on August 28, 2000, 2 pages total.					
	AZ	NIAID publications "Understanding autoimmune disease-who is affected by autoimmune diseases?" at < <http: autoimmune="" publications="" who.htm="" www.nlaid.nih.gov="">> visited on August 28, 2000, 1 page total.</http:>					
	AAA	Principal component analysis "Principal component analysis," at < http://www.cis.hut.fi/~aapo/papers/NCS99web/node5.html .>> visited on September 24, 2002, 2 pages total.					
	ABB	SMITH, B.J. and McNEELY, M.D.D. "The influence of an expert system for test odering and interpretation on laboratory investigations," Clinical Chem. 1999, pp. 1168-1175, Vol. 45, No. 8.					
	ACC	TOBIN, K.W. et al. "Adaption of the fuzzy k-nearest neighbor classifier for manufacturing automation," at http://www-ismv.ic.ornl.gov/publications/kwt_sple98.pdf>> visited on September 24, 2002.					
	ADD	TRENDELENBURG, C. et al. "Knowledge-based test result interpretation in laboratory medicine," Clinica Chimica Acta 1998, pp. 229-242, Vol. 278.					
	AEE	Van OOYEN, A. "Theoretical aspects of pattern analysis: a simple introduction to principal component and cluster analysis,"at < http://www.anc.ed.ac.uk/~arjen/papers/cluster_abstract.html > visited on September 24, 2002, 2 pages total.					

Examiner Date Considered Signature

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/	РТО		Complete if Known				
	D144710	N DIOO	001105	Application Number	10/828,846			
			LOSURE	Filing Date	April 20, 2004			
STAT	EMENT	BY APF	PLICANT	First Named Inventor	Binder, Steven R.			
				Art Unit	1645 1631			
0	(use as many sheets as necessary)			Examiner Name				
Sheet	5	of	5	Attomey Docket Number	02558B-063710US			

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2				
PW	AFF	PETROVEÿKI, M. et al. "An algorithm for leukaemia immunophenotype pattern recognition," Med. Inform. 1993, pp. 11-21, Vol. 18, No. 1.					
PW	AGG	THOMPSON, D. et al. "THe clinical significance of autoantibody profiles in patients with systemic lupus erythematosus," Lupus 1993, pp. 15-19, Vol. 2.					
							

Examiner Date Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (08-03)

FORMATION DISCLOS	SURE
STATEMENT BY APPLIC	CANT

Complete if Known Application Number 10/828,846 Filing Date April 20, 2004 First Named Inventor Binder, Steven R. 1645 Art Unit Examiner Name Pablo S. Whaley Attomey Docket Number 02558B-063710US

(use as many sheets as necessary)

Sheet

Substitute for form 1449B/PTO

U.S. PATENT DOCUMENTS+								
		Document Number						
Examiner Initials*	Cite No.1	Number Kind Cods ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
W	1	US-5,293,454	03-08-1994	Kamiya				

				FOREIGN PA	TENT DOCUM	ENTS		
Examiner Cite No.1	0.11	F	oreign Patent Doo	ument		Name of Patentee or	Pages, Columns, Lines,	·
	Country Code ³	Number ⁴	Kind Code ⁶ (# known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	. то	
PW	2	JP	11-504739	Α	04-27-1999	Horus Therapeutics, Inc.		
	3	wo	97/05553	A1	02-13-1997	Horus Therapeutics, Inc.		
	4	JP	06-509865	Α	11-02-1994	Terrapin Technologies Inc.		
	5	wo	92/17784	A1	10-15-1992	Terrapin Technologies Inc.		0
	6	JP	2-235170			Kokai		
	7	JP	200-172671			Kokai		

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
PW	8	GRUS et al., "Identification and Classification of an Autoantibody Repertoires (Western Blots) with a Pattern Recognition Algorithm by an Artificial Neurla Network," Electrophoresis, Vol. 18, No. 7 (1997) p. 1120-1125						

		<u> </u>			•
Examiner Signature	1	Date Consid	dered 2	/14/	06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. 60668543 v1

PTO:SB/08A (08-03) ute for form 1449A/PTO Complete if Known **Application Number** 10/828,846 INFORMATION DISCLOSURE Filing Date April 20, 2004 STATEMENT BY APPLICANT First Named Inventor Binder, Steven R. Art Unit 1631 (use as many sheets as necessary) P. WHALE **Examiner Name** Allen, Marianno P. Sheet of 2 **Attorney Docket Number** 02558B-063710US

			U.S. PATENT DO	CUMENTS+	
		Document Number			
Examiner Initials*	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

			1	FOREIGN PA	TENT DOCUME	NTS		
Examiner Initials*	Cite No.1	For	eign Patent Docur Number ⁴	Ment Kind Code [®] (<i>Il known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁰
PW	1.	JP	11-504739	. А	04-27-1999	Horus Therapeutics, Inc.		Ø
ı	2.	wo	97/05553	A1	02-13-1997	Horus Therapeutics, Inc.		
	3.	JP	06-509865	Α	11-02-1994	Terrapin Technologies Inc.		Ø
	4.	wo	92/17784	A1	10-15-1992	Terrapin Technologies Inc.		

Examiner Signature Date Considered 2/14/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. It is kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

ite for form 1449B/PTO

Sheet

ORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2

Complete if Known					
Application Number	10/828,846				
Filing Date	April 20, 2004				
First Named Inventor	Binder, Steven R.				
Art Unit	1631				
Examiner Name	Allen, Marianne P.	P. WNALEY			
Attorney Docket Number	02558B-063710US				

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
PU	5.	GRUS, F. and ZIMMERMANN, C., "Identification and classification of autoantibody repertoires (western blots) with a pattern recognition algorithm by an artificial neural network" Electrophoresis 18:1120-1125 (1997)			

Examiner Date Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.